
Postdoctoral position for development of hybrid near-infrared diffuse optical instruments for COVID-19 patients

ICFO is offering a postdoctoral position to a well-qualified, highly motivated and dynamic young scientist who wishes to enhance his/her scientific career in a friendly and stimulating environment.

The successful candidate will be joining the **ICFO-Medical Optics group** led by **Prof. Turgut Durduran**. The group is seeking to hire up to two postdoctoral fellows to be part of an international consortium working on the development and use of hybrid near-infrared diffuse optical spectroscopy devices for use on COVID-19 patients at the intensive care unit. The newly funded European project, VASCOVID, is an international, interdisciplinary, intersectoral project and the successful candidate will be part of the overall team. This fast paced project will develop portable, wireless, integrated instruments working with both the industry and the academia. They will be tested on healthy volunteers and patients.

This project is part of a larger effort, HEMOCOVID-19 (<http://www.hemocovid19-project.org>) which arose in the middle of the COVID-19 pandemic and is carrying out initial clinical studies around the world.

Overall, the project will provide the candidate with a unique, fast-paced, high application oriented experience with plenty of opportunities for publications, public presentations and even IP protection.

Eligibility and Conditions

The candidates should have either completed or in the final stage of the completion of a PhD. They should have a strong background in opto-electronics, electrical or biomedical engineering and a demonstrated interest in medical applications. Design, construction and testing of biomedical instrumentation will require knowledge in photonics, engineering, fiber-optics and instrument control.

Special preference will be given to candidates with prior experience in diffuse optical instrumentation (NIRS, DCS etc) but that is not a prerequisite.

There are no nationality or mobility requirements. The common language of the project and the institute is English.

The contract is offered for periods of one year, renewable for a total of up to two years.

ICFO is an equal opportunity employer. Candidates are selected exclusively on merit and potential on the basis of submitted application material. No restrictions related to disabilities, citizenship or gender apply to ICFO positions. ICFO abides by the principles of openness, efficiency, transparency, supportiveness, and international comparability as stated in the European Charter for Researchers and the European Code of Conduct for the Recruitment of Researchers.

Application procedure

The formal application should be submitted online via <http://jobs.icfo.eu>.

Suitable candidates are requested to submit:

- Presentation letter with a declaration of interest,
- Curriculum Vitae, including contact details,
- The contact e-mail of three potential referees.

Candidates should be willing to be contacted by phone during the selection process. Candidates will be asked for two online interviews. The successful candidate will join the project immediately. All candidates should be available to start during fall 2020.

Candidates may contact jobs@icfo.eu for formal enquiries regarding the application, as well as address scientific enquiries to turgut.durduran@icfo.eu.

Deadlines

The call will remain open until 14/09/2020.

For updated information about ICFO, please visit <https://www.icfo.eu/>